

B6.CAST-*Cdh23*^{Ahl+}/Kjn

Stock No: 002756

 Congenic

Typically mice are recovered in 10-14 weeks. Contact Customer Service to place an order or for more information.

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GENETIC OVERVIEW

Genetic Background

Generation

Cdh23^{Ahl+}

Alele Type

Not Applicable

Gene Symbol

Cdh23

Gene Name

cadherin 23 (otocadherin)

VIEW GENETICS

RESEARCH APPLICATIONS

Sensorineural Research

Neurobiology Research

VIEW ALL RESEARCH APPLICATIONS

BASE PRICE

Starting at:

\$2,854.50 Domestic price Cryo Recovery

Details

Detailed Description

C57BL/6 mice develop severe and progressive late-onset hearing loss. Histopathological changes associated with age-related hearing loss includes the disruption of both outer and inner hair cells. C57BL/6 mice are also more susceptible to noise-induced hearing loss. Age related hearing loss 1 *Cdh23* (formerly *Ahl*), a major gene responsible for this hearing loss, was mapped in an intersubspecific backcross by measuring elevated auditory-evoked brainstem response (ABR) thresholds. *Cdh23* is located on Chromosome 10 near marker D10Mit5. B6.CAST-*Cdh23*^{Ahl+} is a congenic strain that carries the wildtype allele of *Cdh23* producing C57BL/6 mice that are not susceptible to age related hearing loss.

Development

Control Suggestions

Selected References

Genetics

Cdh23^{Ahl+}

Disease/Phenotype

Disease Terms

Research Areas By Phenotype

Mammalian Phenotype Terms by Genotype

References

Technical Support

CONTACT TECHNICAL SUPPORT

Genotyping Protocols

Sanger sequencing: [Cdh23](#)

[Genotyping resources and troubleshooting](#)

Mating System

Homozygote x Homozygote

Appearance

black

Related Genotype: *a/a*

Citation

When using the B6.CAST-Cdh23^{Ahl+}/Kjn mouse strain in a publication, please [cite the originating article\(s\)](#) and include JAX stock #002756 in your Materials and Methods section.

Animal Health Reports

[Facility Barrier Level Descriptions](#)

Production of mice from cryopreserved embryos or sperm occurs in a maximum barrier room, [G200](#)

Pricing & Availability



Cryo
Recovery

Typically mice are recovered in 10-14 weeks. Contact Customer Service to place an order or for more information.

Domestic | International

Pricing effective for USA, Canada and Mexico shipping destinations

CRYORECOVERY - DOMESTIC PRICING

SERVICE/PRODUCT	DESCRIPTION	PRICE
Cryo Recovery	Heterozygous or wildtype for Cdh23<Ahl+>	\$2,854.50

RELATED PRODUCTS AND SERVICES

Frozen Mouse Embryo	B6.CAST-Cdh23<Ahl+>/Kjn Frozen Embryos	\$2595.00
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Q U E S T I O N S A B O U T T E R M S O F U S E

LICENSING INFORMATION

Phone: 207-288-6470

Email: TechTran@jax.org

Related Strains

All

By Allele

By Gene

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Yes No